

HIST A



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Details

1: NP_006564. tumor necrosis fa...[gi:5730097]

BLink, Domains, Links

LOCUS TNFSF13B 285 aa linear PRI 07-OCT-2002

DEFINITION tumor necrosis factor (ligand) superfamily, member 13b; tumor necrosis factor (ligand) superfamily, member 20; B-lymphocyte stimulator; tumor necrosis factor-like protein ZTNF4; DTL precursor; ApoL related ligand TALL-1; B-cell activating factor; TNF and ApoL-related leukocyte expressed ligand 1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule [Homo sapiens].

ACCESSION NP_006564

VERSION NP_006564.1 GI:5730097

DBSOURCE REFSEQ: accession [NM_006573.3](#)

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM [Homo sapiens](#)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (residues 1 to 285)

AUTHORS Shu, H.B., Hu, W.H. and Johnson, H.

TITLE TALL-1 is a novel member of the TNF family that is down-regulated by mitogens

JOURNAL J. Leukoc. Biol. 65 (5), 680-683 (1999)

MEDLINE [99260341](#)

PUBMED [10331498](#)

REFERENCE 2 (residues 1 to 285)

AUTHORS Mukhopadhyay, A., Ni, J., Zhai, Y., Yu, G.L. and Aggarwal, B.B.

TITLE Identification and characterization of a novel cytokine, THANK, a TNF homologue that activates apoptosis, nuclear factor-kappaB, and c-Jun NH2-terminal kinase

JOURNAL J. Biol. Chem. 274 (23), 15978-15981 (1999)

MEDLINE [99278355](#)

PUBMED [10347144](#)

REFERENCE 3 (residues 1 to 285)

AUTHORS Schneider, P., MacKay, F., Steiner, V., Hofmann, K., Bodmer, J.L., Holler, N., Ambrose, C., Lawton, P., Bixler, S., Acha-Orbea, H., Valmori, D., Romero, P., Werner-Favre, C., Zubler, R.H., Browning, J.L. and Tschoep, J.

TITLE BAFF, a novel ligand of the tumor necrosis factor family, stimulates B cell growth

JOURNAL J. Exp. Med. 189 (11), 1747-1756 (1999)

MEDLINE [99288033](#)

PUBMED [10359578](#)

REFERENCE 4 (residues 1 to 285)

AUTHORS Moore, P.A., Belvedere, O., Orr, A., Pieri, K., LaFleur, D.W., Feng, P., Soppet, D., Charters, M., Gentz, R., Parmelee, D., Li, Y., Galperina, O., Giri, J., Roschke, V., Nardelli, B., Carrell, J., Sosnovtseva, S., Greenfield, W., Ruben, S.M., Olsen, H.S., Fikes, J. and Hilbert, D.M.

TITLE BlyS: member of the tumor necrosis factor family and B lymphocyte stimulator

JOURNAL Science 285 (5425), 260-263 (1999)

MEDLINE [99329343](#)

PUBMED [10398604](#)

REFERENCE 5 (residues 1 to 285)

AUTHORS Tribouley, C., Wallroth, M., Chan, V., Paliard, X., Fang, E., Lamson, G., Pot, D., Escobedo, J. and Williams, L.T.

TITLE Characterization of a new member of the TNF family expressed on antigen presenting cells

JOURNAL Biol. Chem. 380 (12), 1443-1447 (1999)

MEDLINE [20125515](#)
 PUBMED [10661873](#)
 REFERENCE 6 (residues 1 to 285)
 AUTHORS Shu, H.B. and Johnson, H.
 TITLE B cell maturation protein is a receptor for the tumor necrosis factor family member TALL-1
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 97 (16), 9156-9161 (2000)
 MEDLINE [20381353](#)
 PUBMED [10908663](#)
 REFERENCE 7 (residues 1 to 285)
 AUTHORS Schiemann, B., Gommerman, J.L., Vora, K., Cachero, T.G., Shulga-Morskaya, S., Dobles, M., Frew, E. and Scott, M.L.
 TITLE An essential role for BAFF in the normal development of B cells through a BCMA-independent pathway
 JOURNAL Science 293 (5537), 2111-2114 (2001)
 MEDLINE [21442024](#)
 PUBMED [11509691](#)
 REFERENCE 8 (residues 1 to 285)
 AUTHORS Thompson, J.S., Bixler, S.A., Qian, F., Vora, K., Scott, M.L., Cachero, T.G., Hession, C., Schneider, P., Sizing, I.D., Mullen, C., Strauch, K., Zafari, M., Benjamin, C.D., Tschopp, J., Browning, J.L. and Ambrose, C.
 TITLE BAFF-R, a newly identified TNF receptor that specifically interacts with BAFF
 JOURNAL Science 293 (5537), 2108-2111 (2001)
 MEDLINE [21442025](#)
 PUBMED [11509692](#)
 COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The reference sequence was derived from [AF186114.1](#) and [BI818459.1](#).
 Summary: The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.

FEATURES

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	/note="tumor necrosis factor (ligand) superfamily, member 20; B-lymphocyte stimulator; tumor necrosis factor-like protein ZTNF4; DTL precursor; ApoL related ligand TALL-1; B-cell activating factor; TNF and ApoL-related leukocyte expressed ligand 1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule"
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	/note="TNF"
	/db_xref="CDD:smart00207"
<u>Region</u>	178..284
	/region_name="TNF (Tumor Necrosis Factor) family"
	/note="TNF"
	/db_xref="CDD:pfam00229"
<u>CDS</u>	1..285
	/gene="TNFSF13B"
	/coded_by="NM_006573.3:268..1125"
	/db_xref="LocusID:10673"
	/db_xref="MIM:603969"

ORIGIN

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121	gegnssqnsr	nkraavqgpee	vtvqdcqlqi	adsetptiqk	gsytfvpwll	sfrkrgsalee
181	kenkilvket	gyffiygqvl	ytdktyamgh	liqrkkvhvf	gdelslvtlf	rciqnmpetl
241	pnnsycysagi	akleegdelq	laiprenaqi	sldgdvtffg	alkll	

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Revised: August 5, 2002.

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